

Abstract

The invention relates to a device for locating metallic objects, with at least one transmit coil (116) and at least one receive turn system (112, 114; 212, 214), which are inductively coupled to one another.

- 5 According to the invention, switching means (1,..., 8; 1'a, 2'a, 3'a, 1'b, 2'b, 3'b) are provided, which make it possible to vary the effective number of turns of the at least one receive turn system (112, 114; 212, 214).

The present invention also relates to a method for operating a device of this type, in particular a method with which the adjustment of a voltage U induced in a receive coil
10 (112, 114; 212, 214) takes place by connecting an adjustment turn system (113, 115; 213', 215') to the turns (113, 115; 213, 215) of the receive turn system (112, 114; 212, 214).

(Figure 4)